

L 14836-66

ACC NR: AP5025293

where  $B_\nu$  is the radiating power of a black body at frequency  $\nu$ ,  $k_\nu$  is the spectral absorption coefficient, and  $l$  is the radius of the hemisphere. Transitions to the ground state  $3p^6$  produce radiation in the far ultraviolet; transitions between excited states (including the continuous spectrum) produce visible and infrared radiation. A comparison of the cases where  $p = 10$  atm,  $l = 1$  cm and  $p = 1$  atm,  $l = 10$  cm ( $pl = \text{const}$ ) shows that the balances of radiated energies obtained have a great deal in common; they seem to be shifted in relation to temperature, thus showing the influence of  $p$  on the degree of ionization. The absolute radiation intensities at high temperatures are markedly different. Balances of energy radiated by other inert gases will be analogous in character: they will be shifted in relation to temperature because of differences in ionization and excitation energies. Author thanks L. M. Biberman, G. E. Norman, and V. G. Savast'yanenko for useful discussions. Orig. art. has: 1 figure, 1 table, and 5 formulas.

SUB CODE: 20 / SUBM DATE: 28Jul64 / ORIG REF: 004 / OTH REF: 006

Card 2/2

L 36226-66  
ACC NR: AP6024510

EWT(1)/EWP(m)

IJP(c)

WW/AT

SOURCE CODE: UR/0386/66/004/002/0043/0046  
79  
77  
A

AUTHOR: Vorob'yev, V. S.; Yakubov, I. T.

ORG: Scientific Research Institute of High Temperatures (Nauchno-issledovatel'skiy institut vysokikh temperatur)

TITLE: Causes of formation of a radiation peak behind a shock wave in a nonequilibrium gas

SOURCE: Zh eksper i teor fiz. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 2, 1966, 43-45

TOPIC TAGS: shock wave front, electron collision, plasma radiation, plasma shock wave, excitation spectrum, spectral distribution

ABSTRACT: The authors show that the rise of the radiation from a nonequilibrium relaxing gas above the equilibrium level in general, and the radiation peak observed behind a shock wave in particular, are caused by the nonequilibrium state distribution of the radiating atoms and by heating of the electron gas by inelastic collisions with molecules. The state of the nonequilibrium plasma produced behind a shock wave is described with the aid of the conservation equations, and the equations for the ionization kinetics and the energy balance. The distribution of the atoms over the states is obtained with the aid of the Fokker-Planck equations. The upper and lower limits of the ratio of the intensity of the radiation in the 3s - 3p lines of nitrogen to their values at equilibrium are presented in graphic form. Similar results are ex-

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L 36226-66

ACC NR: AP6024510

2

pected for the case of a band spectrum behind strong shock waves, where the radiation peak can be attributed to excitation of the molecules by electrons. The authors thank L. M. Biberman and G. E. Norman for valuable discussions. Orig. art. has: 1 figure and 3 formulas.

SUB CODE: 20/ SUBM DATE: 07May66/ ORIG REF: 004/ OTH REF: 003

Cord 2/2 *lll*

L 3958-66 ENT(1)/EWP(m)/FCS(lr)/EWA(1)  
ACCESSION NR: AP5016689

UR/0294/65/003/003/0340/0353  
533.921.5

AUTHOR: Biberman, L. M.; Yakubov, I. T. 44,55

TITLE: Gas state behind a strong shock front 1,44,55

SOURCE: Teplofizika vysokikh temperatur, v. 3, no. 3, 1965, 340-353

TOPIC TAGS: plasma shock wave, shock wave velocity, excited state

ABSTRACT: This theoretical work describing the gas state behind a strong shock front employs a system of equations which are solved by an approximate method that accounts for the role of excited states of atoms and molecules. Specifically, shocks with velocities greater than 10 km/sec in air are considered. It is shown that dissociation occurs rapidly and the length of the relaxation zone is determined by ionization process, which is in contrast to low-velocity shock wave phenomena. In addition, the existence of ionization relaxation zone length on the shock velocity is shown (zone length increases with shock velocity in 9 to 10 km/sec region). In determination of the results, several processes are discussed and shown to be of negligible importance. The results are compared with the experimental data from other work. Orig. art. has: 2 figures, 27 equations.

Card 1/2

L 3958-66

ACCESSION NR: AP5016689

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Engineering Institute) <sup>3</sup>

SUBMITTED: 06Oct64

ENCL: 00

SUB CODE: ME

NO REF SOV: 007

OTHER: 009

Card 2/2 *DP*

L 61823-65 EWG(j)/EWT(1)/EWP(m)/EWT(m)/EPF(c)/EWA(d)/EWP(t)/EWP(b)/FC-111/  
EWA(h)/EWA(e) Pd-1/Pr-4/Ps-4

ACCESSION NR: AP5017891

UR/0051/65/019/001/0026/0029

535.21

AUTHOR: Yakubov, I. T.

TITLE: Effect of radiation on the state of the gas when a shock wave passes through hydrogen

SOURCE: Optika i spektroskopiya, v. 19, no. 1, 1965, 26-29

TOPIC TAGS: shock wave, ionization, electron density, plasma radiation

ABSTRACT: The author estimates the degree of ionization of a gas ahead of a shock wave. Guided by the advanced radiation from a plasma heated by the shock wave.

Card 1/2

L 61823-65  
ACCESSION NR: AP5017891

2

Lyman continuum was also overestimated in the analysis of the photoionization of the gas ahead of the front, and recombination was unjustifiably neglected in some cases. It is concluded that all the assumptions made by Whitney and Stalafuris have led to a highly distorted picture of the ionization of the gas ahead of the shock front. "The author thanks L. M. Biberman and G. E. Norman for valuable advice." Orig. art. has: 1 figure, 7 formulas, and 1 table. [02]

ASSOCIATION: none

SUBMITTED: 29Apr64

ENCL: 00

SUB CODE: ME, HP

NO REF SOV: 004

OTHER: 001

ATD PRESS: 4059

Card

2/2



L 3965-66 EWT(1)/EWP(m)/FCS(k)/EWA(1)

ACCESSION NR: AP5025296

UR/0051/65/019/004/0515/0518  
534.222.2+535.23

AUTHOR: Sevast'yanenko, V. G.; Yakubov, I. T.

TITLE: Cooling of the gas behind shock waves due to emission of radiation

SOURCE: Optika i spektroskopiya, v. 19, no. 4, 1965, 515-518

TOPIC TAGS: xenon, argon, plasma, shock wave, shock tube, argon plasma, radiation cooling, photoionization

ABSTRACT: The equations describing the radiation cooling of gas behind strong shock waves in shock tubes are discussed. The dependence of the cooling rate of gas on the pressure behind the strong shock wave is analyzed for almost completely ionized and partially ionized atomic gases. The theoretically calculated cooling rate of xenon due to emission of radiation is compared with the experimental data of F. H. Mies (Journal of Chemical Physics, v. 37, 1962, p. 497). The transition probabilities for Ar were used in calculating the energy of the linear emission of Xe (at  $T = 9750K$  at a pressure of 3.6 atm linear emission was  $\sim 40^\circ$  of the total radiated energy). The intensity of continuous emission was obtained by means of the Norman-Biberman method. The theoretical results were found to be in excellent agreement with the experimental data. The results obtained show that throughout

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L 3965-66

ACCESSION NR: AP5025296

the whole frequency range the excited molecules of Xe make no significant contribution to the energy radiated by the Xe plasma in a shock tube. Therefore, radiation cooling of Xe is similar to that of Ar. Orig. art. has: 9 formulas and 2 figures.  
[CS]

ASSOCIATION: none

SUBMITTED: 18Jun64

ENCL: 00

SUB CODE: ME, OF

NO REF SOV: 005

OTHER: C04

ATD PRESS: 4118

PC

Card 2/2

BELYAYEV, Ye.A., inzh.; YAKUBOV, I.U., inzh.

Automation in weighing ores. Gor.zhmr. no.1:74 Ja '63.

(MIRA 16:1)

1. Ingichkinskoye rudoupravleniye Uzbekskogo soveta narodnogo  
khozyaystva.

(Ores)

(Weighing machines)

(Automatic control)

YAKUBOV, IU.; MILENKOV, Khr.; ANDREEV, D.; TSVETKOV, T.

Apropos of a new method of terminating pregnancy---vacuum  
excochleation. I. Akush. Ginek. 3 no. 3:4-7 '64.

YAKUBOV, K. A.

Cand Biol Sci - (diss) "Biochemical characteristics of pears in different maturing periods under conditions of the Kuba-Khachmasskaya zone of the Azerbaydzhan SSR." Baku, 1961. 20 pp; (Committee of Higher and Secondary Specialist Education of the Council of Ministers Azerbaydzhan SSR, Azerbaydzhan State Univ imeni S. M. Kirov); 150 copies; price not given; (KL, 6-61 sup, 210)

RESHETKINA, N.M.; YAKUBOV, Kh.; SLAVIN, B.A.; POSTNOV, Yu.V.;  
SOKOLOVSKAYA, Ye.A.; UMAROV, A.; BAIKON, V.A.

Construction of vertical drainage in the Golodnaya Steppe. Mat.  
po proizv. sil. Uzb. no.15:281-306 '60. (MIRA 14:8)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR; Uzbekskiy  
gidrogeologicheskii trest i Glavgolodnostepstroy.  
(Mirzachul' region--Drainage)

YAKUBOV, Kh.

Design of piezometers and elimination of shortcomings in their  
work. Vop. gidr. no.3:77-83 '61. (MIRA 15:4)  
(Piezometer)

KOSHKIN, K.; KATSIGRAS, G.; SERGEYEV, A.; YAKUBOV, Kh.

Using the matching method in assembling the engine and gearbox.  
Avt. transp. 41 no.9:24-29 S '63. (MIRA 16:10)



KOSHKIN, K.; KATSIGRAS, G.; SERGEYEV, A.; YAKUBOV, Kh.

Assembly of the reductor and front axle by the selective trial-and-error method. Avt.transp. 41 no.11:26-30 N '63. (MIRA 16:12)

NUMANOV, I.U.; SKOBELINA, A.I.; TOIMACHEVA, G.L.; YAKUBOV, Kh.M.

Sulfur organic compounds of petroleums from the southern part of Central Asia. Report No.1: Sulfur organic compounds of petroleums from the Kzyl-Tumshuk and Khaudag deposits. Izv. Otd. geol.-khim. i tekhn. nauk AN Tadzh. SSR no.1:69-78 '59.

(MIRA 14:8)

1. Institut khimii AN Tadzhikskoy SSR.  
(Kzyl-Tumshuk--Petroleum--Analysis)  
(Khaudag--Petroleum--Analysis)  
(Sulfur organic compounds)

5(4)

SOV/54-59-1-12/25

AUTHORS: Zakhar'yevskiy, M. J., Musorok, Ye. G., Yakubov, Kh. M.,  
Lentovskaya, V. A.

TITLE: Oxidation Potential in Solutions of Indigo Dyes (Okislitel'nyy  
potentsial v rastvorakh kubovykh krasiteley)

PERIODICAL: Vestnik Leningradskogo universiteta. Seriya fiziki i khimii,  
1959, Nr 1, pp 94-97 (USSR)

ABSTRACT: The oxidation potential in a redox system may be determined by

the following equation:  $\varphi = \varphi_0 + \frac{RT}{nF} \ln \frac{a_{Ox}}{a_{Red}} + \alpha \ln a_{H^+}$  (2).

This equation reflects the dependence of the oxidation potential  $\varphi$  ( $\varphi_0$  = regular oxidation potential) on the activity of the oxidation form ( $a_{Ox}$ ), and the reduction form ( $a_{Red}$ ).  $F$  = Faraday number and  $\alpha$  a coefficient, which takes multiples of the value  $1/2 \cdot (RT/F)$  in dependence on the proteolytic equilibrium in the system. On assuming the activity coefficient to be equal to one and with a constant pH, in addition to introducing into equation (2) the numerically computed coefficients, the expressions for

Card 1/3

Oxidation Potential in Solutions of Indigo Dyes

SOV/54-59-1-12/25

the oxidation potentials assume the following form:

$$\varphi = \varphi_0 + 0.0001 T \lg \frac{C_{Ox}}{C_{Red}} \quad (3); \quad \varphi = \varphi_0 + 0.0001 T \lg \frac{A}{C_{Red}} \quad (4).$$

Equation (3) holds for the case of a variable activity of the oxidation form and equation (4) holds for a constant activity. The present paper deals with the investigation of the applicability of equations (3) and (4) upon indigo dye solutions. In this connection, the authors investigated the dependence of the oxidation potential on the ratio of the oxidation- and reduction form concentrations in the indigo dye solutions: indigo red "kkh", indigo gold-yellow "zhkh", indigo light green "zh", and indigo blue "o". In the indigo dye solutions, in which the oxidation form is colloidal, a linear dependence of the oxidation potential on  $\lg \frac{C_{Ox}}{C_{Red}}$  was found; the inclination angle of

the straight lines obtained, however, is somewhat smaller than the one obtained by theoretical calculation. There are 2 figures and 12 references, 3 of which are Soviet.

Card 2/3

ZAKHAR'YEVSKIY, M.S.; MUSOROK, Ye.G.; YAKUBOV, Kh.M.

Analysis of the vat dyeing process in laboratories.  
Tekst.prom 20 no.10:43-45 0'60. (MIRA 13:11)  
(Dyes and dyeing)

YAKUBOV, Kh.M.; PAL'CHEVSKIY, V.V.; SEREDIN, B.I.

Spectrophotometric study of acetate and mixed polynuclear complex  
formation of trivalent iron. Vest. LGU 20 no.4:80-86 '65.  
(MIRA 18:4)

YAKUBOV, Kh.M.; PAL'CHEVSKIY, V.V.; SELIKHOV, G.G.

Spectrophotometric study of acetate complex formation of bivalent  
iron. Vest. LGU 20 no.4:87-93 '65. (MIRA 18:4)



GAFUROV, A.T.; AYKHODZHAYEV, T.T.; ABDURASHITOV, K.; TURSUNOV, S.;  
KOVAL'SKIY, N.I.; MULLOKANDOV, R.N.; REZNIK, G.F.; YAKUBOV, L.M.

Change of certain characteristics of cotton and kenaf under the  
action of ultrasound. Prim. ul'traakust. k issl. veshch. no.14:  
121-127 '61. (MIRA 14:12)

(Ambary hemp) (Cotton)  
(Ultrasonic waves--Industrial applications)

L 45803-66 EMT(m)/T/EWP(t)/ETI IJP(c) JD/DJ

ACC NR: AR6023308

SOURCE CODE: UR/0058/66/000/003/H072/H072

AUTHOR: Yakubov, L. M.; Urunbayev, I. A.; Obratsoy, V. I.

TITLE: Dependence of the efficiency of ultrasonic degreasing on the value of the surface tension of the working liquid

SOURCE: Ref zh. Fizika, Abs. 3Zh501

REF. SOURCE: Tr. 1-y Mezhevuz. nauchn. konferentsii po primeneniyu molekul. akust. k issled. veshchestva i v nar. kh-ve. Tashkent, 1964, 259-262

TOPIC TAGS: ultrasonic dewaxing, ultrasonic cleaning, surface tension, cleaning fluid

ABSTRACT: Results are presented of experimental measurements of the surface tension of a liquid (distilled water or 3% solution of trisodium phosphate), and also the efficiency with which a layer of lubricating material (bleached oil, commercial vaseline) could be removed from glass following different times of exposure to ultrasound of 22.5 kcs frequency. The hypothesis is advanced that there is a possible quantitative relation between the efficiency of degreasing and the change in surface tension. V. Akulichev. [Translation of abstract]

SUB CODE: 20

Card 1/1

YAKUBOV, L.S.; KRISHTAL', L.I.; DMITRIYEV, V.A.

[Principles of railroad statistics] Osnovy zheleznodorozhnoi statistiki.  
[Redaktory Krishtal', L.I., Dmitriev, V.A.] Moskva, Gos. transp. zhel-dor.  
izd-vo, 1953. 194 p. (MLRA 7:1)  
(Railroads--Statistics)

YAKUBOV, Lev. Sergeyevich; LEBEDEV, Ye.P., red.; BOBROVA, Ye.N.,  
tekhn.red.

[Fundamentals of railroad statistics] Osnovy zheleznodorozhnoi  
statistiki. Izd.2., perer. Moskva, Gos.transp.zhel-dor.izd-vo,  
1959. 267 p. (MIRA 13:1)  
(Railroads--Statistics)

YAKUBOV, Lev. Sergeyevich; BOLTIKOV, A.S., retsenzent; CHIRSKIY,  
G.M., red.

[Principles of railroad statistics] Osnovy zheleznodorozh-  
noi statistiki. 3. perer. izd. Moskva, Transport, 1964.  
261 p. (MIRA 17:11)

ALEKSEYEV, V.N.; VINOGRADOV, A.N.; kand.ekon.nauk; VLADIMIROV, V.A.; inzh.;  
 KOCHETOV, I.V., prof.; doktor ekon.nauk; MINAKOV, P.P.; POTAPOV,  
 I.A.; ROMANOV, M.P., dotsent, kand.ekon.nauk; SPENGLER, Ye.H.,  
 kand.ekon.nauk; SHITOV, A.V.; SHUKHATOVICH, I.M.; YAKUBOV, L.S.;  
 IVLIYEV, I.V., red.; KRISTAL', L.I., red.; KOCHETOV, I.V., prof.,  
 doktor ekon.nauk, nauchnyy red.; IVANOV, A.P., nauchnyy red.;  
 BOBROVA, Ye.N., tekhn.red.

[Statistics and bookkeeping in railroad transportation; manual]  
 Statistika i bukhgalterskii uchet na zheleznodorozhnom transporte;  
 spravochnik. Moskva, Vses.izdatel'sko-poligr.ob"edineniye M-va  
 putei soobshcheniya, 1960. 485 p. (MIRA 14:3)  
 (Railroads--Accounts, bookkeeping, etc.)  
 (Railroads--Statistics)

BULYGINA, Ye.V.; YAKUBO, L.T.

Hypersonic aircraft with a self-balancing surface. Izv.vys.ucheb.  
zav.; av.tekh. 6 no.3:3-10 '63. (MIRA 16:10)



MATALASOV, S.F., kand. tekhn. nauk; NOSKOV, Yu.A., inzh.; Prinsipali uchastiye:  
RAMODIN, V.N., inzh.; SUGAK, P.A., kand. tekhn. nauk; CHINAREV, S.S.,  
inzh.; KURITSYN, V.I.; YAKUBOV, M.A.; VAVILOV, G.S., starshiy mekhanik;  
OVCHINNIKOV, Yu.P., starshiy mekhanik; DEVICHINSKIY, Yu.V., starshiy  
laborant; GOL'DENTUL, A.B., inzh.; VOROB'YEVA, Z.M., starshiy tekhnik

[Transportation of goods subject to freezing; problem in the theory  
of freezing and the mechanization of loosening operations.] Perevozki  
smerzaiushchikhsia gruzov; voprosy teorii smerzaniia i mekhanizatsii  
rykhleniia. Moskva, Transport, 1964, 132 p. (Moscow. Vsesoluznyi  
nauchno-issledovatel'skii institut zheleznodorozhnogo transporta.  
Trudy, no.273). (MIRA 17:9)

YAKUBOV, M. [K.]

Separation of the catalyst from fat mixture by centrifuging. M. Yakubov. *Moskovskoe Zhivoe Delo* 14, No. 6, 16-18(1938).—Several advantages are claimed for the pptn. of the Cu-Ni catalyst from the fat mixt. by the method of centrifuging, which is described. C. D.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

REVISION

YAKUBOV, M. [K.]

ca

Method of refining hardened fats. M. Yakubov. Masloboius Zhirovos Delo 1939, No. 3, 17-18.—The efficiency of freeing hardened fats from residual Cu-Ni catalyst by treatment with  $H_2SO_4$  is impaired by emulsification. Aside from org. emulsifiers which may be present, colloidal Cu is much more active as an emulsifier than is the Ni component of the catalyst. It was found by lab. tests and confirmed in factory practice that an active oxidizing agent inhibits emulsification in the acid treatment. About 0.1%  $K_2Cr_2O_7$  (calcd. on the hardened fat) is sufficient to give the desired effect. Julian P. Smith

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ASB. S. A. DETALLUPICAL LITERATURE CLASSIFICATION

ASB. S. A.	DETALLUPICAL LITERATURE CLASSIFICATION
1	2
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11	12
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23	24
25	26
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77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

*ca*

YAKUBOV, M. [K.]

PROCESSES AND PROPERTIES  
Colloidal nickel in hydrogenated fats. Al. Yakubov.  
*Moskobenno Zhivoe Delo* 10, No. 3, 12-13(1940). Tentative expl. results show that filtered hardened fat contains up to 2-4% of colloidal Ni used in the hydrogenation. About 30% of the colloidal Ni is Ni soap. C. Blane.

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

YAKUBOV, M. K.

23024 Novyy metod kolichestvennogo opredeleniya galakturonovoy i glyukuronovoy kislot. Trudy khar'k. Khim. - Tekhnol. In-ta im. Kirova, vyp. 7, 1949, C. 89-91.

SO: LETOPIS' NO. 31, 1949

1. YAKUBOV, M. K.; KHRAMUSHINA-FUSHKAR', L. M.

2. USSR (600)

4. Cottonseed Oil

7. Refining black cottonseed oil with a chemical bleach, Masl. zhir. prom.,  
17, No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. YAKUBOV, M.K.: KHRAMUSHINA-FUSHEVA, L.M.

2. USSR (600)

4. Oils and Fats.

7. Processing and refining of soap stocks. Masl. zhir. prom. 17. no. 9. 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.



YAKUBOV, M.G.

Chem Abs 448  
1-25-54  
Fats, Waxes, &  
Detergents

*tuera*  
Refining of technical naphthenic acids. M. P. Bessonov, M. G. Yakubov, and G. G. Medvedev (Polytech. Inst., Kharkov). *Kharkovskaya Zhurn. Prom.* 18, No. 9, 16-17 (1953). Refining of naphthenates, used in the manuf. of household soap, by repeated graining (I), is compared with treatment of naphthenic acids in the acid medium either by  $\text{Na}_2\text{Cr}_2\text{O}_7$ ,  $\text{KMnO}_4$ , and  $\text{SO}_3$  (II), or by  $\text{H}_2\text{O}_2$  and  $\text{NaOCl}$  (III), and with treatment of naphthenates in alk. medium by  $\text{H}_2\text{O}_2$  (IV) or  $\text{NaOCl}$  (V). The color and odor of naphthenates and naphthenic acids were not removed nor did they suffer a decisive change through the application of I and II, resp. When dark-colored acids were treated with III, their color faded to light brown, but reverted to the former state during storage. The application of IV and V was the only treatment effective in producing permanent yellow or light-brown colors. In add., V reduced perceptibly the odor of naphthenates, which resembled that of Cl-treated org. compds. Exptl. soap contg. 8-14% of naphthenates treated by V had a light color and barely perceptible odor. A 60-80° temp. is recommended for  $\text{H}_2\text{O}_2$  (2-5%) used in treatment of naphthenates by IV.  $\text{NaOCl}$  treatment should be done at 40°, gradually increasing to 80°, and 80-100 kg. of  $\text{NaOCl}$  per ton of acids added. V is preferred because of its min. odor. Vladimir N. Krukovich

*6-10-54*

YAKUBOV, M. K.

Improving the Quality of the Black Cotton Soap Stock with a Concentrated  
Base. Leka Promishlenost (Light Industry), #7-12:28:July-Dec 1955

YAKUBOV, MR.

USSR .

Refining of black cottonseed soap stock with concentrated  
lye. M. K. Yakubov and L. M. Khranushina-Pushkova  
(Polytech. Inst., Kharkov). *Muslobelno-Zhirnyye Prom.*  
20, No. 3, 14-18(1955).—Black cottonseed soap stock,  
contg. 30-40% fatty acids is mixed with 40-60% soln. of  
NaOH (20% in excess of the amt. required to saponify the  
neutral fat) and then heated to 170-250°. The authors  
claim that palmitic and acetic acids are formed from sicle,  
as in the Vorentrap's reaction (KOH), and that the resulting  
soap is hard and light in color. Vladimir N. Krukovsky

YAKUBOV, M.K.

✓Determination of glyceride structure of fats. M. K. Yakubov (Polytech. Inst., Kharkov). *Alaishchikova-Zhurova Prom.* 21, No. 1, 14-17(1973).—A few changes are recommended for Kartha's (C.A. 47, 9031e, 1925g) and Hilditch's (C.A. 48, 14249c) methods of  $\text{Me}_2\text{CO}-\text{KMnO}_4$  oxidation in structure detn. of solid, unsatd., mono- and di-unsatd. glycerides. The exptl. procedure and the method of calcn. are described. Vladimir N. Krukovsky

YAKUBOV, M.K., kandidat tekhnicheskikh nauk.

Obtaining edible hydrogenated oil of high quality. Masl.-shir.prom.  
23 no.7:12-15 '57. (MLRA 10:8)

1.Khar'kovskiy politekhnicheskii Institut.  
(Oils and fats, Edible)

YAKUBOV, M.K., kand. tekhn. nauk.

Production of a substitute for cacao butter. Masl.-zhir. prom.  
24 no.1:12-16 '58. (MIRA 11:3)

1.Khar'kovskiy politekhnicheskii institut.  
(Cacao butter)

YAKUBOV, M.K., kand.tekhn.nauk

Interesterification and its significance in the processing of  
fats. Masl.-zhir.prom. 25 no.3:19-22 '59. (MIRA 12:4)

1. Khar'kovskiy politekhnicheskii institut imeni V.I. Lenina.  
(Oils and fats) (Esterification)

YAKUBOV, M.K., kand.tekhn.nauk

Glyceride selectivity of the hydrogenation of fats and its  
quantitative evaluation. Masl.-shir.prom. 26 no.9:22-25  
8 '60. (MIRA 13:8)

1. Khar'kovskiy politekhnicheskii institut imeni V.I.Lenina.  
(Oils and fats)  
(Hydrogenation)  
(Glycerides)



SLOMINSKIY, L.I., inzh.; YAKUBOV, M.K., kand. tekhn. nauk

Sulfoesterification of aliphatic alcohols in a vacuum. Masl.-zhri.  
prom. 26 no. 11:22-25 M '60. (MIRA 13:11)

1. Khar'kovskiy politekhnicheskii institut imeni V.I. Lenina.  
(Alcohols) (Sulfation)

YAKUBOV, M.K., kand.tekhn.nauk

Producing modified fats of given composition and properties by  
transesterification. Masl.-zhir. prom. 27 no.6:13-18. Je '61.  
(MIRA 14:6)

1. Khar'kovskiy politekhnicheskii institut imeni V. I. Lenina.  
(Oil and fats)

YAKUBOV, M. S.

MELESCHENKO, N.T. and YAKUBOV, M. S. "A method of estimating continuous movement in open river-beds according to the procedure of Academician S. A. Khristianovich", . Izvestiya Vsesyuz. nauch.-issled. in-ta gidrotekhniki im. Vedeneyeva, Vol. XXXVIII, 1948, p. 29-70.

SO: U3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, no.7 1949).

YAKUBOV, M. S.

MELESHCHNEKO, N.T. and YAKUBOV, M. S. "A method of estimating a discontinuous wave in a V-shaped river bed," (With editorial comment, Izvestiya Vsesoyuz. nauch.-issled in-ta gidrotekhniki im. Vedeneyeva, Vol. XXXVIII, 1946, p. 71-94.

SO: U3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statry, No.7 1949.)

YAKUBOV, M.S.

MELESHCHENKO, N.T., inzhener (deceased); YAKUBOV, M.S., inzhener.

Methods of calculating irregular movement (flow) in open channels  
by Academician S.A. Christianovich's method. Izv.VNIIG no.38:29-70, 1948  
(Hydraulics)

*YAKUBOV, M.S.*

MELESHCHENKO, N.T., inzhener [deceased]; YAKUBOV, M.S., inzhener.

Calculations of broken waves in a prismatic channel. Izv.VNIIG no.38:  
71-94 '48. (MLRA 10:2)

(Hydraulics)

YAKUBOV, M.Ya.

Medicinal service to the population of Tajikistan. Apt.  
delo 14 no.5:70-72 S-O '65. (MIRA 18:11)

1. Glavnoye aptechnoye upravleniye Ministerstva zdravookhraneniya  
Tadzhikskoy SSR.

YAKUBOV, M.Ya.

Development of pharmaceutical activity in Tajikistan. Apt.  
da'o 11 no.5:23-25 S-O '62. (MIRA 17:5)

1. Glavnoye apteknoye upravleniye Tadzhikskoy SSR.



YEGOROV, Yu.A.; YAKUBOV, N.I.; KATORZHNOV, N.D.

Manufacture of pipes with a small diameter. Khim. volok.  
no.4:67-68 '64. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo  
volokna.

L 31465-66 EWT(m)/EWP(w) IJP(c) FM

ACC NR: AP6023131

SOURCE CODE: UR/0425/66/009/001/0050/0054

AUTHOR: Yakubov, N. Kh.

ORG: Tadzhik Polytechnical Institute, Dushanbe (Tadzhikskiy politekhnicheskiy institut)

TITLE: Investigation of the thermal stability of combination roofs

70

SOURCE: AN TadzhSSR. Doklady, v. 9, no. 1, 1966, 50-54

B

TOPIC TAGS: thermal stability, general construction, reinforced concrete, cement, sheet metal, aluminum foil, thermocouple, potentiometer, heating engineering/EPP-09 potentiometer

ABSTRACT: The importance of the thermal stability of roofing in the southern regions of the USSR is pointed out. Formulas are presented for determining heat transfer through plane parallel layers. Field tests were carried out at Dushanbe in the summer of 1964 on various combination roofs consisting of a longitudinally perforated reinforced concrete slab, and various layers and thicknesses of foam concrete, cement, rolled sheet metal, reinforced concrete, air space, porous concrete plate, and aluminum foil. Temperatures at the layer interfaces were measured round the clock with copper-constantan thermocouples connected to a type EPP-09 automatic potentiometer. Comparative curves are given for the ambient temperature inside and outside the test building, at the surface of the ceiling, and at the surface of the rolled sheet metal. The given formulas are shown to agree to within 10-15% of the experimental results for certain type roofs but not for others. Experimental and theoretical results are compared in a table. This article was submitted by

Corresponding Member AN TadzhSSR A. A. Adkhamov on 05Jul65. Orig. art. has: 2 figures, 4 formulas and 1 table. [JPRS]

SUB CODE: 11, 20, 13 / SUBM DATE: 05Jul65 / ORIG REF: 004

Card 1/1 MC

SHALFEYEV, S.D., kand.tekhn.nauk; GALIAKBAROV, A.S., inzh.; YAKUBOV, N.S.,  
inzh.

Improvement of technological features of electrical steel.  
Elektrotehnika 35 no.3:56-57 Mr '64. (MIRA 17:5)

*YAKUBOV, P. A.*

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BERKZIN, V.D.; BIRYUKOV, I.K.;  
BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVY, G.A.; BULEV, M.Z.; BURAKOV,  
N.A.; VERTSAYZER, B.A.; VOYK, G.M.; VORMAN, B.A.; VOSHCHININ, A.P.;  
GALAKTIONOV, V.D., kand. tekhn. nauk; GZINKIN, Ye.M.; GIL'DENBLAT,  
Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.;  
GORBACHEV, V.N.; GRZHIB, B.V.; GREKULOV, L.F., kand. s.-kh. nauk;  
GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO,  
Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK,  
A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.;  
KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.M.; KOMAREVSKIY, V.T.;  
KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.;  
KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.;  
LIKACHEV, V.P.; LOGUNOV, P.I.; MATSEVICH, K.F.; MEL'NICHENKO,  
K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk;  
MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.;  
OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSKIN,  
G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; REMZOV, N.P.;  
ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.;  
RYBCHESKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.;  
SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY,  
Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRISOVA,  
Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.;  
TSISHEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN,  
N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA,  
I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHAMOVSKIY,  
(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.

Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUKER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; YERMOLOV, A.I., retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; KARAULOV, B.F., retsenzent, kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; IUSKIN, Z.D., retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M., retsenzent, red.; MENKEL', M.F., doktor tekhn. nauk, retsenzent, red.; OBRIZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASHENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.R., retsenzent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N., retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya. [deceased], akademik, glavnyy red.; RUSSO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; BAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER, (Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.

Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.N.,  
tekh. red.; GENKIN, Ye.M., tekh. red.; KACHKROVSKIY, N.V., tekh.  
red.

[Volga-Don; technical account of the construction of the V.I. Lenin  
Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center,  
and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'-  
stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSim-  
lianskogo gidrouzla i orositel'nykh sooruzhenii, 1949-1952; v 2-ti  
tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural  
descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.I.A. Zhuk.  
Red. тома M.M. Grishin. 1957. 319 p. Vol.2. [Organization of con-  
struction. Specialized operations in hydraulic engineering] Orga-  
nizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.  
(Continued on next card)

ANDON'YEV, V.I.... (continued) Card 4.

Glav. red. S. IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.

(MIRA 11:9)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro  
tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-kor-  
respondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy  
chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin,  
Razin).

(Volga Don Canal--Hydraulic engineering)

YAKUBOV, R.D.; AZERBAYEV, I.N.; ATAVIN, A.S.; TROFIMOV, B.A.; NAUMENKO, V.  
Ye.

Hydration of acetylene by vinyl esters of ethylene and diethylene  
glycols. Vest. AN Kazakh. SSR 19 no.7:21-31 J1 '63. (MIRA 17:2)



YAKUBOV, R. YA.

Arkhitcktura Volgo-Donskogo kanala. [The architecture of the Volga-Don Canal].  
(Sovetskii Soiuz, Aug. 1951, no. 8(19), p. 5. illus). DLC: Slavic unclass.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

YAKUBOV, R. LYa./

Canals

Architecture of Volga-Don canal. Rabotnitsa 30, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. Unclassified.

YAKUBOV, R. [A.]

Volga - Don Canal

Landscaping and tree planting along the Volga-Don  
canal. Nauka i zhizn' 19 no. 4, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED.

YAKUBOV, R.Ya., aspirant

Operative treatment of ununited fractures and false joints. Med.  
(MIRA 15:2)  
zhur. Uzb. no.11:33-35 N '61.

1. Iz kliniki travmatologii i ortopedii (zav. - prof. V.A.Chernavskiy)  
II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni Pirogova.  
(FRACTURES) (PSEUDARTHROSIS)

YAKUBOV, R. Ya.

Osteoplasty and intramedullary nailing in the treatment of unknit fractures and pseudarthroses. Ortop., travm. i protez. no.1:13-18 (MIRA 15:2)  
'62.

1. Iz kliniki travmatologii i ortopedii (zav. - prof. V. A. Chernavskiy) 2-go Moskovskogo meditsinskogo instituta im. N. I. Pirogova (dir. - M. G. Sirotkina) na baze 4-y gorodskoy bol'nitsy (glavnyy vrach - G. F. Papko)

(PSEUDARTHROSIS)  
(INTERNAL FIXATION IN FRACTURES)

YAKUBOV, S. A. Cand Biol Sci -- (diss) <sup>Drawing out</sup> "The ~~Elimination of~~  
<sup>from</sup> Phosphates <sup>in the condition</sup> ~~in~~ Urine ~~During the~~ Metabolism of Various Nutrient  
Substances in the Organism." Len, 1957. 18 pp 20 cm. (Len  
Agricultural Inst of the Min of Agriculture USSR), 100 copies  
(KL, 26-57, 107)

- 38 -

BOYKO, A.A., kand.med.nauk; YAKUBOV, S.A., kand.biol.nauk

Conservation of a potable water supply. Voen.-med.zhur. no.12:38-39  
D '58. (MIRA 12:12)

(WATER SUPPLY,  
conservation of potable water supply in containers  
(Bus))

25 (1)

06183  
SOV/115-59-11-11/36

AUTHOR: Yakubov, S.F.

TITLE: A Portable Press for Checking Pressure Gages

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 11, p 32

ABSTRACT: The components of a portable press for checking pressure gages are to be mounted on a 450x280x20 mm textolite plate. A cover with a handle is placed over the textolite plate for carrying. The reference gages are fixed inside of the cover when the press is carried. Instead of two, five flanges with valves are used for connecting the gages to be tested with the reference gages. This increases the productivity of the press to 100 gages tested within eight hours. The additional flanges enable to check pressure and vacuum gages without changing the reference gages.

Card 1/1



NABIYEV, M.N.; PALETSKIY, G.V.; ANISIMKIN, I.G.; REBENKO, M.; KALININ, Ye.P.;  
TROPIMOV, S.M.; VURGAF, G.V.; POPOV, V.S.; KOROL', P.Z.;  
KULIK, A.A.; KAL'MAN, L.A.; FARBER, S.I.; MATVEYEVA, N.Ye.;  
GAVRILOV, V.S.; KADYROV, V.M.; IL'YASOV, A.I.; YAKUBOV, S.G.;  
PROSKURIN, M.P.; NESTERENKO, A.P.; DEZHIN, N.D.; KOCHEROV, V.,  
red.; POPOV, V., red.; SALAKHUTDINOVA, A., tekhn. red.

[Chirchik, a city of major industrial chemical complexes]  
Chirchik - gorod bol'shoi khimii. Tashkent, Gosizdat UzSSR,  
1962. 82 p. (MIRA 16:6)

1. Chlen-korrespondent Akademii nauk UzSSR (for Nabiyev).
2. Rabotniki Chirchikskogo elektrokhimkombinata (for all  
except Nabiyev, Kocherov, Popov, V., Salakhutdinova).  
(Chirchik—Chemical plants)

A-2

*YAKUBOV S. N.*  
USSR/General Division. History. Classics. Biography.

Abs Jour: Ref. Zh-Biol., No 17, 1957, 72365

Author : S. N. Yakubov

Inst :

Title : Professor A. V. Grigor'yev

Orig Pub: Symposium: Vopr. sudebno-med. ekspertizy. Vyp. 2, M.,  
Gosyurizdat, 1955, 20-32

Abstract: Sketch of the life and work of Aleksey Vasil'evich Grigor'yev (1860-1916), pathological anatomist and bacteriologist, known for his studies in the field of forensic medicine, successful in the culturing and describing the causative organism of dysentery (8 years prior to the similar work of the Japanese microbiologist Shiga). From 1897 on, Grigor'yev occupied the chair for forensic medicine at the University of Warsaw, from 1911 on - the same chair at the University of Moscow. The most complicated questions of forensic medicine were his subject:

-2-

Card

Card

: 1/2

-3-

ACC NR: AI7009559

SOURCE CODE: UR/0233/66/000/002/0035/0042

AUTHOR: Abdulkerimov, L. Sh.; Yakubov, S. Ya.

ORG: none

TITLE: Investigation of Cauchy's problem for quasilinear differential equations of parabolic type in a Banach space

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tehnicheskikh i matematicheskikh nauk, no. 2, 1966, 35-42

TOPIC TAGS: Cauchy problem, Banach space

SUB CODE: 12

ABSTRACT: The article considers Cauchy problems for first and second-order quasilinear differential equations of the parabolic type. The authors begin with the first-order equation  $u'(t) + A(t, u(t))u(t) = f(t, u(t)); u(0) = u_0$ . (1)

where  $u(t)$  is an unknown function with values from the complex Banach space  $E$ . A theorem is formulated and proved showing that problem (1) has a unique solution on  $[0, T]$ . The article then considers the second-order equation

$$u''(t) + A(t, u(t), u'(t))u'(t) = f(t, u(t), u'(t)); u(0) = u_0, u'(0) = u_1, \quad (2)$$

and proves the existence of a unique solution to problem (2) on the segment  $[0, t_0]$ , where  $t_0 \in (0, T)$ . In addition, it is proved that problem (2) also has a unique solution on  $[0, T]$ . The article concludes by applying the results obtained to a mixed problem for a class of quasilinear, partial differential equations. Orig. art. has: 14 formulas. [JPRS: 39,848]

Card 1/1

UDC: none

0930 1083

YAKUBOV, S. Ya.

Schmidt-Hilbert theory for J-symmetrized operators functioning  
in Banach space. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn.  
nauk no.1:39-48 '61. (MIRA 1414)  
(Spaces, Generalized)  
(Operators (Mathematics))

YAKUBOV, S.Ya.

A class of integral equations whose kernels admit of  
symmetrization. Dokl. AN Azerb. SSR 18 no.9:9-13 '62.  
(MIRA 17:1)

1. Institut matematiki i mekhaniki AN AzSSR. Predstavleno  
akademikom AN AzSSR Z.I. Khalilovym.

YAKUBOV, S.Ya.

Solvability of the Cauchy problem for evolutionary equations.  
Dokl. AN SSSR 156 no. 5:1041-1044 Je '64. (MIRA 17:6)

1. Institut matematiki i mekhaniki AN AzerbSSR. Predstavleno  
akademikom I.G.Petrovskim.

YAKUBOV, Sh.

Achievements of a young surgeon. Zdrav.Tadzh. 7 no.1:42-43 Ja-F  
'60. (MIRA 13:5)  
(YAVAN DISTRICT--MEDICAL CARE)

YAKUBOV, S.Ya.

Self-conjugate expansions of a symmetrical operator in Banach space.  
Izv.AN Azerb. SSR.Ser. fiz.-mat. i tekhn. nauk no.3:7-13 '60.

(MIRA 13:11)

(Operators (Mathematics))

(Spaces, Generalized)



YAKUBOV, S.Ya.

Hilbert-Schmidt's theory for integral and integrodifferential  
equations with nonsymmetric kernels. Izv.AN Azerb.SSR.Ser.fiz.-  
mat.i tekhn.nauk no.1:35-45 '62. (MIRA 15:4)  
(Integral equations) (Integrodifferential equations)

YAKUBOV, S.Ya.

Cauchy problem for evolutionary hyperbolic equations. Dokl. AN Azerb.  
SSR 20 no.4:3-6 '64. (MIRA 17:7)

1. Institut matematiki i mekhaniki AN AzSSR. Predstavleno akademi-  
kom AN AzSSR Z.I.Khalilovym.

SOURCE: AN SSCP ...

TOPIC TAGS: Cauchy problem 16

ABSTRACT: The author studies the equation

$$\frac{d^n u(t)}{dt^n} + A_1(t) \frac{d^{n-1} u(t)}{dt^{n-1}} + \dots + A_n(t) u(t) = f(t)$$

with the initial conditions  $u^{(i)}(0) = \alpha_i$  ( $i = 1, 2, \dots, n-1$ ), where  $u(t)$

is a function of  $t$  taking values in a Banach space  $E$  and  $A_i(t)$  are

linear operators in  $E$  depending on  $t$ .

$A_i(t)$  are  $(n-1)$  times differentiable on  $[0, T]$  and  $n$  times differentiable on  $(0, T]$ ,

Card 1/2

50154 05

ACCESSION NR: AP50154

and the initial condi-

are continuous in  $(0, T)$ .

Orig. art. has: 12 formulas.

Author: ... Institute of  
Mechanics, AzerSSR

SUBMITTED: 21 Jan 60

ENCL

SUB CODE: RA

JPRS

GOLIKOV, P.; YAKUBOV, T.

Construction site of a cold storage room. Mias. ind.  
SSSR 31 no.4:51 '60. (MIRA 14:7)

1. Aztyazhpromstroy.  
(Baku—Cold storage warehouse)

<p><i>Yakubov, Tevzik Fatikhovich</i></p>		<p>15</p>
<p>Soil formation in sands under the influence of forest stands. T. F. Yakubov. <i>Chemization Socialist Agr.</i> (U. S. S. R.) No. 4, 41-80 (1937).—Data are presented on the ag. exts. of 3 profiles in stands of pine, alder and poplar on the sands of the semidesert region. Constituents noted were: CO<sub>2</sub>, Cl, S, Ca, Mg, Na and humus. Under pine the sol. Cl is highest in the 0-10 cm. layer and there is thus a slight NaCl salinization. With depth the concn. of Cl decreases. Under alder the distribution of the sol. chlorides is just the reverse: the highest concn. is at the water table. The conditions under poplar are similar to those of the alder. J. H. J.</p>		
<p><i>Mbr., Scientific Council of Soil Inst. in V.V. Dokuchayev, AS USSR</i></p>		
<p>ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>		

Ca

8

The mineralogical composition of the sands of the Caspian lowlands in relation to their genesis. 1.1 Yakubov. *Pedology* (U. S. S. R.) 1940, No. 6, 61-6. According to mineralogical compn. these sands can be divided into 2 groups, geographically known as Western or Volga group and Eastern, or Ural group. The sands of the 1st region are poor in minerals, while those of the 2nd region are rich in this mineral. The alluvial deposits of the Volga basin and of the Ural river basin are genetically related to the Caspian sands as regards the mineralogical compn., even though the Volga deposits are predominantly rich in quartz (67-85%) and in minerals of the nontransparent type, poor in oxides, and rich in the kyanite-staurolite-sillimanite group, while the Ural region is rich in amphiboles, oxides, ilmenite-magnetite and the groups: epidote-zoisite and garnet-zinnwaldite. Since the above-mentioned two regions are similar to the Caspian sands and were even more so in antiquity, it is concluded that Caspian deposits are delta formations of a period when the two rivers had a common delta, while the two basins differed, one irrigating the Russian plain and carrying decomposed products of granite-gneiss and other acid rock formations and the other carrying the products of denudation of Ural mountain minerals. In the Volga group of Caspian sands the carbonates are present only in the form of mollusc shells ( $\text{Ca}^{++}$  and  $\text{Mg}^{++}$  mainly). In the Ural group these salts are in the cryst. form. 12 references. C. S. Shapiro

1ST AND 2ND ORDERS		PROCESSING AND PREPAREDNESS INDEX		100 AND 4TH 100101	
<p><i>CA</i></p> <p>An investigation of the causes of drying up of tree plantings on the solonchaks of the semidesert Transsural region. T. F. Yakubov. <i>Trans. Dokuchayev Soil Inst.</i> (U. S. S. R.)</p> <p>22, No. 1, 105-31 (in English, 131-2) (1940).—Water ex. analyses on the soils and the compn. of the ground waters and irrigation waters are presented. These show that the poor growth of the forest species is due to the alkyl. and the high concn. of salts which upon irrigation come toward the surface. J. S. Joffe</p>					
<p>ASD-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>					
GROUP DIVISION		SUBJECT MAT. DIV. USE		SUBJECT MAT. DIV. USE	
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1. YAKUBOV, T. F.
2. USSR (600)
4. Geology and Geography
7. Wind Erosion of Soils and the Struggle with It, T. F. Yakubov.  
(Moscow, Agriculture Press, 1946) Reviewed by V. V. Polynov, Sov.  
Kniga, No 5, 1948.

9. Report U-3081, 16 Jan. 1953, Unclassified.

PA 63/4911

USSR/Agriculture

Reforestation  
Land Reclamation

May 49

"Reforestation and Fixation of Sandy Soils," T. F. Yalubov, Cand Geol Mineral Sci, 21 pp

"Barka 1 Zhizn" No 5 - pp 13-14

Notes importance of subject program as part of ambitious forest-belt program announced in 1946. Plan calls for reforestation and fixation of 300,000 hectares of sand in European USSR in 1949 - 1955. Plan involves widespread sowing of cereals and certain desert grasses to reclaim land. Reviews work

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USSR/Agriculture

(Contd)

May 49

started in this direction before the revolution but claims it did not receive adequate attention until recent decades.

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YAKUBOV, T. F.

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OB OSNOVNYKH IDIYAKH S.S. NYEVSTRUYEVA V. IZUCHYENII SOURYEMYENNYKH  
KONTINYENTRAL'NYKH PYESKOV. TRUDY POCHV. III-TA IM. DOKUCHAYEVA. T.  
XXX, 1949. S. 52-56. - BIBLIOGR: 8 NAZV.

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4. Geology and Geography
7. Loose Sands of the Deserts of the Soviet Union and the Struggle Against Them,  
M. P. Petrov, T. F. Yakubov, editor. (Moscow, Geographical Press, 1950).  
Reviewed by B. B. Polynov, Sov. Kniga, No. 1, 1951.

9. Report U-3081, 16 Jan. 1953, Unclassified.

YAKUNOV, T. F.

Agriculture

Practice of afforestation and binding of sand soils in the Northern Caspian Sea area  
Moskva, Izd-vo Akademii nauk SSSR, 1951

9. Monthly List of Russian Accessions, Library of Congress, August 195<sup>2</sup>8. Unclassified.

YAKUBOV, T. F.

Soil Binding

"Afforestation and binding of sands in the Northern Pre-Caspian." Reviewed by  
V. V. Ogiyevskiy. Les i step' no. 4 (1952).

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

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Afforestation

Bolkhun sands and results of their afforestation, Les. Khoz., 4, No. 12, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

YAKUBOV, T. F.

Plant Introduction - Dnieper Valley

Problem of introducing exotic trees on  
Lower Dnieper sands. Les. khoz. 5, No. 8, 1952

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1. YAKUBOV, T. F., ROZOV, N. N.

2. USSR (600)

4. Poland - Soils

7. New soil map of Poland. Pochvovedenie no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

YAKUBOV, T. F.

YAKUBOV, T. F. - "Sands of the Northern Caspian Region, Their Nature and Basic Means of Economical Utilization." Sub 24 Dec 52, Soil Inst, Acad Sci USSR. (Dissertation for the Degree of Doctorates in Agricultural Sciences).

SO: Vechernaya Moskva January-December 1952

1. YAKUBOV, T. F.
2. USSR (600)
4. Reclamation of Land-Bibliography
7. "Reclamation of sands of deserts and semideserts by agriculture and forestry in the U. S. S. R. ; bibliography of the literature in Russian, 1768-1950." M. P. Petrov. Reviewed by T. F. Yakubov. *Los 1 step'* 14.no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February, 1953, Unclassified.

YAKUBOV, T.F.

Origin of "Ber" knolls in the Caspian Depression. Trudy Inst.  
geog. 51:253-276 '52. (MLRA 7:11)  
(Caspian Depression--Physical geography) (Physical  
geography--Caspian Depression)

YAKUBOV, T. F.

USSR/Agriculture - Soil Erosion

Card : 1/1

Authors : Yakubov, T. F., Dr. of Agricult. Sciences

Title : Wind erosion and the fight against it

Periodical : Nauka i Zhizn', 6, 12 - 13, June 1954

Abstract : Report describes the harmful effect of wind erosion of the soil and suggests ways of combating wind erosion. Illustrations.

Institution : ....

Submitted : ....

YAKUBOV, T. F.

USSR/Miscellaneous

Card 1/1

Author : Yakubov, T. F., Dr. of Agri. Sciences

Title : With the soil scientists of Poland

Periodical : Nauka i Zhizn' 21/3, 41-42, Mar/1954

Abstract : The author studied erosion, for which the former private owners were blamed. He examined the forest question. Forests have been greatly reduced through war and lack of interest on the part of private owners. Rare elements in the soil are being studied, such as copper, iodine, and cobalt. Land is being reclaimed on the Baltic that is below sea level. A description of places is given.

Institution : .....

Submitted : .....

YAKUBOV, T. F.

USSR/Meteorology - Desert rain

Card 1/1 : Pub. 86 - 35/46

Authors : Yakubov, T. F., Dr. Agri. Sci.

Title : Downpour in the sandy desert

Periodical : Priroda, 43/9, 116-118, Sep 1954

Abstract : An account is given of an unexpected downpour in the northern part of the desert near the Caspian sea, which was accompanied by hail, lightening and wind. The effect on the animal and vegetable life is also described. One Russian reference (1921). Illustrations.

Institution : .....

Submitted : .....

*YAKUBOV, T.F.*

USSR/Agriculture - Soil conservation

Card 1/1    Pub. 86 - 22/37

Authors    : Yakubov, T. F., Dr. Agri. Sci.

Title      : Protection of fields against wind erosion during reclamation of virgin and waste lands

Periodical : Priroda 43/10, 106-108, Oct 1954

Abstract   : The author finds that blowing away 2.5 cm of top soil will deprive a hectare of land of 1,000 kg of nitrogen and 200 kg of phosphorus. Various methods are recommended to prevent this, including the maintaining of moisture by shortening the time between preparation of the soil and planting and plowing in checkerboard fashion, leaving spots to be cultivated in alternate seasons.

Institution : ...

Submitted   : ...